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13142 U.S. PTO

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PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	1640-006
First Inventor	James C. Weatherall
Title	Method and Apparatus for Obtaining Spatial Information and Measuring the Dielectric Constant of an Object
Express Mail Label No.	EV260562220US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☐ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **71**]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **10**]
5. Oath or Declaration [Total Pages **1**]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____ / _____

Prior application information:

Examiner: _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Labelor ☐ Correspondence address below

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State

Zip Code

Country

Telephone

Fax

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Stephen T. Sullivan

Registration No. (Attorney/Agent)

32,444

Signature

Date

October 7, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Sullivan Law Group

A Professional Corporation

Patents, Trademarks, Copyrights,
Related Intellectual Property Law

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October 7, 2003

Via Express Mail

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

***Re: Filing of New U.S. Utility Patent Application Entitled
"METHOD AND APPARATUS FOR OBTAINING
SPATIAL INFORMATION AND MEASURING THE
DIELECTRIC CONSTANT OF AN OBJECT"
Our ref.: 1640-006***

Dear Sir:

We hereby submit the following papers in connection with the filing of this new U.S. utility patent application entitled "METHOD AND APPARATUS FOR OBTAINING SPATIAL INFORMATION AND MEASURING THE DIELECTRIC CONSTANT OF AN OBJECT," inventors James C. Weatherall of Linwood, New Jersey and Joseph A. Gatto of West Deptford, New Jersey:

1. Utility Patent Application Transmittal (1 page);
2. Specification 70 pages including claims (7 independent claims and 37 claims total);
3. Abstract of the Disclosure (1 page);
4. Informal Drawings (10 sheets, Figs. 1-18); and
5. Postcard for receipt acknowledgment.

Commissioner for Patents
October 7, 2003
Page 2

Please accord this application a serial number and the filing date of October 7, 2003.

Sincerely,



Stephen T. Sullivan
Reg. No. 32,444

STS/rar
Enclosures

CERTIFICATE OF EXPRESS MAIL

Express Mail Mailing Label No. EV 260562220 US

Date of Deposit: October 7, 2003

I hereby certify that this paper with listed documents is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



EXPRESS MAIL CERTIFICATE

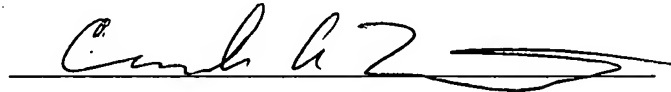
SPECIFICATION, CLAIMS, AND ABSTRACT (71 PAGES)

**“METHOD AND APPARATUS FOR OBTAINING SPATIAL
INFORMATION AND MEASURING THE DIELECTRIC
CONSTANT OF AN OBJECT”**

Express Mail Label No. EV 260562220 US

Date of Deposit: October 7, 2003

I hereby certify that the attached specification, including 37 claims and abstract, totaling 71 pages is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed MS PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

A handwritten signature in dark ink, appearing to read "Carl H. Z.", is written over a horizontal line.

EXPRESS MAIL CERTIFICATE FOR DRAWINGS

(18 Drawing Figures on 10 Sheets)

**“METHOD AND APPARATUS FOR OBTAINING SPATIAL
INFORMATION AND MEASURING THE
DIELECTRIC CONSTANT OF AN OBJECT”**

Express Mail Label No. EV 260562220 US

Date of Deposit October 7, 2003

I hereby certify that the attached drawings are being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed MS PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

A handwritten signature in black ink, appearing to be 'C. L. Z.', is written over a horizontal line.

Attorney Docket No.: 1640-006